

WHAT IS CLAIMED IS:

1. A housing comprising:
 - a first housing component made of magnetic metal and having a first surface;
 - a second housing component made of magnetic metal and having a second surface confronting said first surface, said second housing component being cooperated with said first housing component to define a space; and
 - a sealing structure providing an electromagnetic wave shielding function and a waterproof function between said first and second housing components,
 - said sealing structure comprising:
 - a groove portion formed on said first surface and extending around said space;
 - a first seal member formed by being directly applied into said groove portion, said first seal member having relatively low hardness to be compressible;
 - a second seal member formed by being applied onto said first seal member, said second seal member having relatively high hardness, flexibility, and conductivity; and
 - a pressing portion formed on said second surface to correspond to said groove portion, said pressing portion pressingly deform said second seal member so as to be brought into surface contact with said second seal member.
2. The housing according to claim 1, further comprising a joining member clamping said first and second housing components in mutually approaching directions to join them together.
3. The housing according to claim 2, wherein said joining member

comprises a screw engaging with said first and second housing components.

4. The housing according to claim 1, wherein said first seal member is formed so as not to project from said first surface, while said second seal member is formed so as to project from said first surface.

5. The housing according to claim 1, wherein said first seal member comprises soft silicon.

6. The housing according to claim 1, wherein said first seal member comprises a high-molecular soft material having moisture resistance.

7. The housing according to claim 1, wherein said second seal member comprises hard silicon and a metal filler added to said hard silicon.

8. The housing according to claim 1, wherein said pressing portion comprises a projecting portion projecting from said second surface and inserted into said groove portion so as to be brought into contact with said second seal member.

9. The housing according to claim 8, wherein said second seal member is pressed against said projecting portion by a restoring force of said first seal member.

10. The housing according to claim 1, wherein said first housing component is a box having an opening on one side thereof and substantially forming said space, said second housing component being a cover which closes said opening.

11. The housing according to claim 1, wherein said second housing component is a box having an opening on one side thereof and substantially forming said space, said first housing component being a cover which closes said opening.

12. The housing according to claim 1, wherein said second seal member has a surface which is matched with a surface of said pressing portion when pressingly deformed by said pressing portion.